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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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**AGRICULTURAL NEWS:** The temperature and the lack of precipitation remain the story for Kentucky agriculture. Seldom does the State experience the breadth of the current dry spell. Temperatures for the week finally fell 4 degrees below normal and hopefully reflects a return to more normal conditions. The dry conditions persisted as only a few areas received moderate precipitation. **Topsoil moisture** was rated as 65 percent very short, 25 percent short, and 10 percent adequate. **Subsoil moisture** was rated as 65 percent very short, 24 percent short, and 11 percent adequate. There were 6.5 days out of a possible 7 that were suitable for fieldwork. Farming activity for the state primarily consisted of tobacco cutting and housing along with harvesting of corn and soybeans. These activities were in addition to day to day farming duties.

**ROW CROPS:** Corn harvest is 90 percent complete, well ahead of both the previous year at 35 percent and the five year average of 60 percent. Ninety-nine percent of the corn acreage was considered mature, ahead of the 85 percent for last year and the five year average of 95 percent. Thirty-eight percent of soybean acreage has been harvested, compared to 9 percent for the previous year and 16 percent for the five year average. Seventy-four percent of the soybean crop was considered mature, ahead of last year at 42 percent and the five year average of 53 percent. The percentage of soybeans shedding leaves was 93, ahead of both the previous year at 72 percent and the five year average of 78 percent. Soybean crop condition was reported as 16 percent very poor, 26 percent poor, 31 percent fair, 24 percent good, and 3 percent excellent. Soybeans reported safe from frost damage was 88 percent.

**TOBACCO:** Housed tobacco conditions were reported as 4 percent very poor, 12 percent poor, 35 percent fair, 44 percent good and 5 percent excellent. Ninety-five percent of burley and 92 percent of dark tobacco has been cut. Burley tobacco not ready for stripping was 64 percent.

Burley ready for stripping was 32 percent, and the amount already stripped was 4 percent.

**OTHER CROPS AND PASTURE:** Winter wheat seeding was reported to be 12 percent complete. Moisture is needed for germination to occur. Our prolonged dry spell could have long range implications for our beef and dairy farmers statewide. Pastures are currently under substantial stress. Some operators are already feeding stored hay set aside for winter months. Pastures were rated as 37 percent very poor, 29 percent poor, 20 percent fair, 13 percent good, and 1 percent excellent. The crop year turned from hot and wet to hot and dry in June. Hopefully hay stocks put up before the dry spell will be enough to carry those producers through the season.

CROP PROGRESS for week ending 10/03/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Mature	99	96	85	95
Corn Harvested	90	80	35	60
Soybeans Dropping Leaves	93	84	72	78
Soybeans Mature	74	60	42	53
Soybeans Harvested	38	18	9	16
Winter Wheat Seeded	12	NA	4	8
Burley Tobacco Cut	95	90	88	94
Dark Tobacco Cut	92	86	79	92

SOIL MOISTURE for week ending 10/03/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	65	25	10	0
Subsoil	65	24	11	0

CROP CONDITIONS for week ending 10/03/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Soybeans	16	26	31	24	3
Pasture	37	29	20	13	1
Tobacco Housed	4	12	35	44	5

## **KENTUCKY WEATHER SUMMARY, SEPTEMBER 27 – OCTOBER 3, 2010:**

**Below Normal Temperature and Below Normal Rainfall:**

Finally, after 12 weeks in a row of above normal temperature the Commonwealth cools down for a below normal week. This is also the first week in multiple that did not have highs reaching into the 90s, in fact many locations only broke 80 once if at all. Rainfall was not much different than the previous several weeks, as little to no rain fell in most locations. This helped to further worsen drought conditions across the state.

Temperatures for the period averaged 59 degrees across the state which was 4 degrees below normal and 15 degrees cooler than the previous week. High temperatures averaged from 75 in the West to 68 in the East. Departure from normal high temperatures ranged from 2 degrees below normal in the West to 5 degrees below normal in the East. Low temperatures averaged from 45 degrees in the West to 49 degrees in the East. Departure from normal low temperature ranged from 9 degrees below normal in the West to 2 degrees below normal in the East.

Rainfall for the period totaled 0.13 inches statewide which was 0.62 inches below normal. Rainfall totals by climate division, West 0.07 inches, Central 0.03 inches, Bluegrass 0.11 inches and East 0.29 inches, which was 0.69, 0.74, 0.60 and 0.44 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Bowling Green to a high of 0.64 inches at Jackson.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, OCTOBER 3, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity	
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks			Dev. From Norm	Average		
						High	Low		Wkly. Avg.	High	Low
		(Inches)				(Degrees Fahrenheit)					
Bardstown	0.05	26.52	4.76	+2.13	+1.84	81	40	59.6	-4	97	56
Berea	0.25	24.95	1.23	-0.75	-2.37	79	34	56.9	-5	96	54
Bowling Green	0.00	31.67	1.14	+5.98	-2.25	84	42	62.4	-1	88	43
Bristol	0.00	15.63	0.51	-6.11	-2.46	85	42	61.3	-1	98	51
Buckhorn Lake	0.26	22.80	1.97	-1.63	-1.35	76	38	57.4	-5	88	43
Cape Girardeau	0.33	22.47	5.30	-1.51	+2.03	81	41	59.3	-6	96	44
Campbellsville	0.04	28.53	1.08	-0.44	-3.09	80	37	58.6	-5	96	54
Covington	0.14	18.97	0.71	-3.65	-1.97	83	41	58.1	-4	88	45
Cumberland Gap	0.36	25.95	2.42	-0.20	-0.47	75	32	57.4	-5	98	51
Dix Dam	0.02	27.64	1.98	+2.46	-1.14	81	40	58.6	-4	84	42
Evansville	0.07	13.64	0.43	-9.02	-2.32	85	42	61.3	-4	79	47
Glasgow	0.00	30.33	1.07	+2.60	-2.46	82	40	59.6	-4	93	43
Grayson	0.44	26.82	0.82	+3.44	-1.76	78	37	57.2	-5	96	54
Hardinsburg	0.03	19.87	0.30	-5.60	-3.04	84	41	60.3	-3	96	54
Henderson	0.04	15.23	0.37	-8.36	-2.78	84	36	59.0	-6	79	47
Huntington	0.00	23.12	0.00	-0.40	-2.62	85	42	61.3	-1	90	44
Jackson	0.64	24.34	2.09	-1.12	-1.12	75	44	58.9	-3	86	45
Lexington	0.06	24.33	0.64	-0.06	-2.28	81	41	57.9	-4	84	42
London	0.33	25.80	2.78	+2.18	-0.39	78	40	59.0	-3	93	45
Louisville	0.08	24.00	0.20	+0.22	-2.70	86	47	63.6	+0	81	40
Mayfield	0.00	19.80	1.88	-6.27	-1.78	84	37	59.6	-6	96	54
Nashville	0.00	38.18	0.06	+14.27	-3.04	85	42	61.3	-2	90	44
Nolin Lake	0.00	24.69	0.52	-2.57	-3.30	83	38	59.9	-3	94	44
Paducah	0.00	19.63	3.64	-5.88	+0.27	82	43	60.8	-5	88	46
Princeton	0.00	24.66	0.94	-0.88	-2.13	85	40	60.1	-5	96	53
Quicksand	0.32	20.38	0.65	-5.08	-2.56	77	40	58.5	-4	96	54
Somerset	0.00	33.60	5.71	+6.81	+2.06	78	38	58.0	-4	96	44
Spindletop	0.14	23.40	0.83	-0.99	-2.09	82	41	58.4	-4	92	51
Williamstown	0.05	21.15	0.23	-2.92	-2.72	82	40	58.2	-4	96	54

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>